

Title (en)
FLUID PRESSURE DRIVE UNIT

Title (de)
FLÜSSIGKEITSDRUCKANTRIEBSEINHEIT

Title (fr)
UNITÉ D'ENTRAÎNEMENT À PRESSION DE FLUIDE

Publication
EP 2848808 B1 20180704 (EN)

Application
EP 13769429 A 20130322

Priority
• JP 2012075565 A 20120329
• JP 2013058254 W 20130322

Abstract (en)
[origin: EP2848808A1] A fluid pressure drive unit is to supply a working fluid to and drive a fluid pressure actuator. The fluid pressure drive unit includes a fluid pressure pump for suctioning and discharging the working fluid, an electric motor for driving and rotating the fluid pressure pump, a power transmission mechanism for transmitting a power between a rotation shaft of the fluid pressure pump and a rotation shaft of the electric motor, and a circulation mechanism to be driven by the power transmitted by the power transmission mechanism, the circulation mechanism for guiding a lubricating fluid in the power transmission mechanism and cooling the electric motor.

IPC 8 full level
F03C 1/06 (2006.01); **F04B 17/03** (2006.01); **F04B 53/08** (2006.01); **F04B 53/18** (2006.01)

CPC (source: EP KR US)
F03C 1/0636 (2013.01 - EP KR US); **F03C 1/0644** (2013.01 - EP KR US); **F04B 1/128** (2013.01 - KR); **F04B 1/22** (2013.01 - KR); **F04B 9/02** (2013.01 - KR); **F04B 17/03** (2013.01 - EP KR US); **F04B 53/08** (2013.01 - EP KR US); **F04B 53/18** (2013.01 - EP KR US); **F05B 2210/11** (2013.01 - KR)

Cited by
CN111336083A; US2022379773A1; US11760228B2; US11754087B2

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 2848808 A1 20150318; **EP 2848808 A4 20160330**; **EP 2848808 B1 20180704**; CN 104220750 A 20141217; CN 104220750 B 20160720; JP 2013204541 A 20131007; JP 5767996 B2 20150826; KR 101782684 B1 20170927; KR 20140129274 A 20141106; US 2015064030 A1 20150305; WO 2013146576 A1 20131003

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